



*U.S. Department of Energy  
and the  
National Science Foundation*



January 21, 2003

Professor Abraham Seiden  
Institute for Particle Physics  
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Santa Cruz, CA 95064

Dear Professor Seiden:

On November 6, 2002, the Department of Energy (DOE) and National Science Foundation jointly implemented the Particle Physics Project Prioritization Panel (P5). We are writing this letter now to ask you, in the context of the P5 charge, to study and prioritize the following three projects within the framework of the national high energy physics program.

- BTeV (Fermilab)
- Charged Kaons at the Main Injector (CKM) (Fermilab)
- The Run IIb CDF and D-Zero detector projects (these projects currently have been approved through CD-3a [partial construction]; awaiting next phase approval, CD-3b [full construction start]) (Fermilab)

As required by P5's charge, all of these projects have been approved by the Fermilab Physics Advisory Committee. The third item, the Run IIb CDF and D-Zero detector projects, is a special case since DOE has already given partial approval, a limited construction start through FY 2003 only. The issue before P5 for this project is a recommendation for full construction which would start with FY 2004.

While we do not expect P5 to do an extensive cost review, to be most helpful, P5 should comment on the appropriateness of existing cost estimates, indicate what funding levels are expected to be required by these new projects if they are approved, and evaluate what the scientific impacts would be if sufficient funding is not available during the timeframe of the projects under consideration.

We appreciate your performing this important function. We would like to have your response on these particular projects by June 2003.

Sincerely,

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Associate Director for High Energy  
And Nuclear Physics  
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